

Claims

The claims are amended as follows:

1-21. (Canceled)

22. (Currently Amended) ~~The~~An image processing apparatus as claimed in claim 1, further comprising: for generating data to be used for image processing, the image processing apparatus comprising:

a dividing unit to divide code data of a compressed image into a plurality of segments;

a code size computing unit to compute a code size corresponding to each of the plurality of segments;

a memory unit to store the corresponding relation between the code size and each of the plurality of segments;

a desired code size setting unit to set a desired code size; and

a modifying unit to modify the code data to the desired code size based on the corresponding relation stored in the memory unit.

23. (Original) The image processing apparatus as claimed in claim 22, further comprising:

a location computing unit to compute a truncation location matching with the set desired code size based on the corresponding relation stored in the memory unit; and

a location information unit to store information of the computed truncation location.

24. (Currently Amended) ~~The~~An image processing apparatus as claimed in claim 9, further comprising: for generating data to be used for image processing, the image processing apparatus comprising:

a code size setting unit to set one or more code sizes; an image quality level computing unit to compute an image quality level matching with the set one or more code sizes;

a dividing unit to divide code data of a compressed image into a plurality of image quality levels;

a code size computing unit to compute a code size corresponding to each of the plurality of image quality levels;

a memory unit to store the corresponding relation between the code size and each of the plurality of image quality levels;

a desired code size setting unit to set a desired code size; and

a modifying unit to modify the code data to the desired code size based on the corresponding relation stored in the memory unit.

25. (Original) The image processing apparatus as claimed in claim 24, further comprising:

a location computing unit to compute a truncation location matching with the set desired code size based on the corresponding relation stored in the memory unit; and

a location information memory unit to store information of the computed truncation location.

26. (Currently Amended) An image processing apparatus ~~for processing the code data of the image compression apparatus in claim 11, the image processing apparatus comprising: for generating compressed code data of an image, the image compression apparatus comprising:~~

a dividing unit to divide code data of a compressed image into a plurality of segments;

a code size computing unit to compute a code size corresponding to each of the plurality of segments;

an embedding unit to embed the corresponding relation between the code size and each of the plurality of segments into the code data;

a desired code size setting unit to set a desired code size; and

a modifying unit to modify the code data to the desired code size based on the corresponding relation embedded into the code data.

27. (Original) The image processing apparatus, as claimed in claim 26, further comprising:

a location computing unit to compute a truncation location matching with the set desired code size based on the corresponding relation embedded into the code data; and

a location information memory unit to store information of the computed truncation location.

28. (Currently Amended) An image processing apparatus ~~for processing the code data of the image compression apparatus in claim 19, the image processing apparatus comprising:~~ for generating compressed code data of an image, the image compression apparatus comprising:

a code size setting unit to set one or more code sizes;

an image quality level computing unit to compute an image quality level matching with the set one or more code sizes;

a dividing unit to divide code data of a compressed image into a plurality of image quality levels;

a code size computing unit to compute a code size corresponding to each of the plurality of image quality levels;

an embedding unit to embed the corresponding relation between the code size and each of the plurality of image quality levels into the code data;

a desired code size setting unit to set a desired code size; and

a modifying unit to modify the code data to the desired code size based on the corresponding relation embedded into the code data.

29. (Original) The image processing apparatus as claimed in claim 28, further comprising:

a location computing unit to compute a truncation location matching with the set desired code size based on the corresponding relation embedded into the code data; and

a location information memory unit to store information of the computed truncation location.

30-50. (Canceled)

51. (Currently Amended) ~~The~~An image processing method as claimed in claim 48, further comprising: ~~for generating compressed code data of an image, the image compression method comprising:~~

- a) setting one or more code sizes;
- b) computing an image quality level matching with the set one or more code sizes;
- c) dividing code data of a compressed image into a plurality of image quality levels;
- d) computing a code size corresponding to each of the plurality of image quality levels;
- e) embedding the corresponding relation between the code size and each of the plurality of image quality levels into the code data;
- f) ~~g) setting a desired code size; and~~
- g) modifying the code data to the desired code size based on the corresponding relation stored in a memory unit.

52. (Currently Amended) The image processing method as claimed in claim 51, further comprising:

- f) computing a truncation location matching with the set desired code size based on the corresponding relation stored in step-e); and
- g) storing information of the computed truncation location.

53. (Currently Amended) ~~The~~An image processing method as claimed in claim 38, further comprising ~~the steps of:~~ for generating data to be used for image processing, the image processing method comprising:

- a) setting one or more code sizes;
- b) computing an image quality level matching with the set one or more code sizes;
- c) dividing code data of a compressed image into a plurality of image quality levels;

- d) computing a code size corresponding to each of the plurality of image quality levels;
- e) storing the corresponding relation between the code size and each of the plurality of image quality levels;
- f) setting a desired code size; and
- g) modifying the code data to the desired code size based on the corresponding relation stored in the memory unit.

54. (Original) The image processing method as claimed in claim 53, further comprising:

- h) computing a truncation location matching with the set desired code size based on the corresponding relation stored in the memory unit; and
- i) storing information of the computed truncation location.

55. (Currently Amended) An image processing method for processing the code data of the image compression method in claim 40, the image processing method comprising: for generating compressed code data of an image, the image compression method comprising:

- a) dividing code data of a compressed image into a plurality of segments;
 - b) computing a code size corresponding to each of the plurality of segments; and
 - c) embedding the corresponding relation between the code size and each of the plurality of segments into the code data;
- a)-d) setting a desired code size; and
- b)-e) modifying the code data to the desired code size based on the corresponding relation embedded into the code data.

56. (Currently Amended) The image processing method as claimed in claim 55, further comprising:

- e)-f) computing a truncation location matching with the set desired code size based on the corresponding relation embedded into the code data; and
- d)-g) storing information of the computed truncation location.

57. (Currently Amended) An image processing method for processing the code data of the image compression method in claim 48, the image processing method comprising: for generating compressed code data of an image, the image compression method comprising:

- a) setting one or more code sizes;
- b) computing an image quality level matching with the set one or more code sizes;
- c) dividing code data of a compressed image into a plurality of image quality levels;
- d) computing a code size corresponding to each of the plurality of image quality levels;
- e) embedding the corresponding relation between the code size and each of the plurality of image quality levels into the code data;
- a) f) setting a desired code size; and
- b) g) modifying the code data to the desired code size based on the corresponding relation embedded into the code data.

58. (Currently Amended) The image processing method as claimed in claim 57, further comprising:

- e) h) computing a truncation location matching with the set desired code size based on the corresponding relation embedded into the code data; and
- d) i) storing information of the computed truncation location.

59-70. (Canceled)